MITSUBISHI MOTOR SALES OF AMERICA, Inc.

TECHNICAL SERVICE BULLETIN

SUBJECT: 1989 MONTERO V6 THROTTLE BODY REMOVAL — SERVICE MANUAL SUPPLEMENT	NO. TSB-90-13-003
	DATE June, 1990
	MODEL Montero

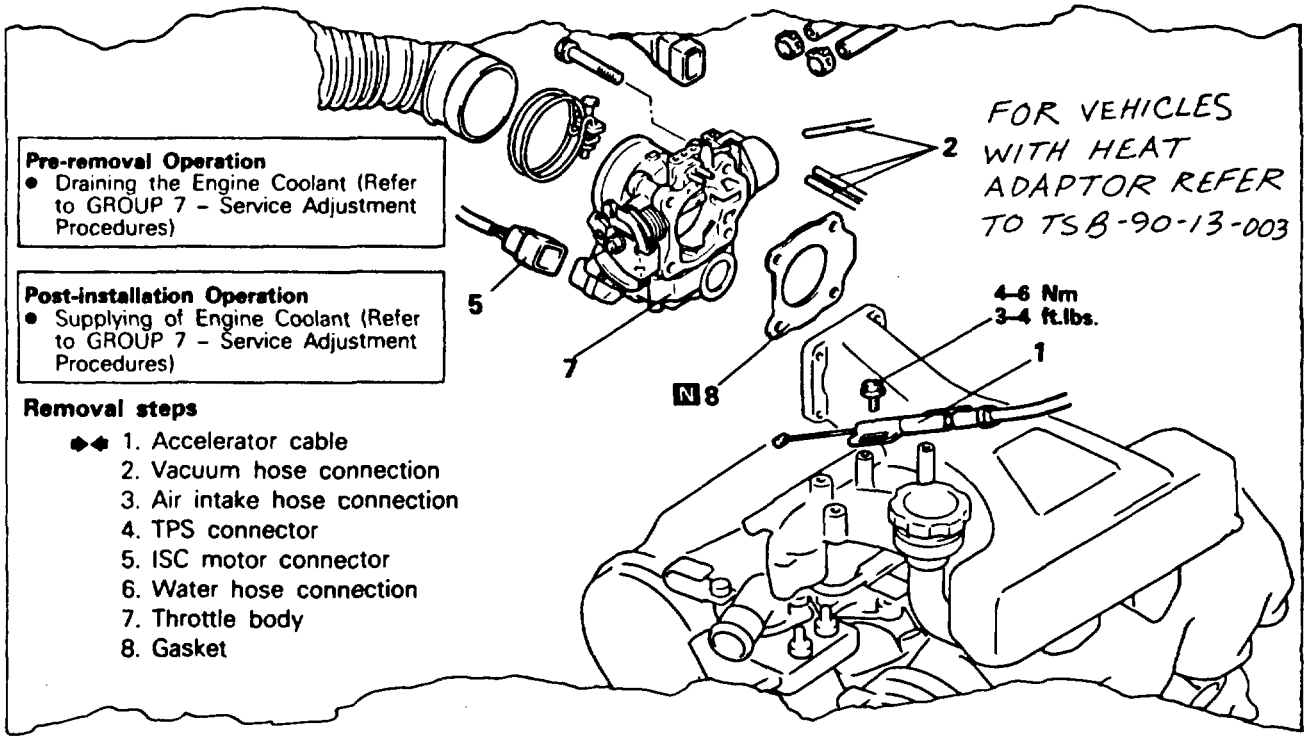
TSB Revision TSB-90-13-003

PURPOSE

This bulletin provides a revised throttle body removal/reinstallation procedure for 1989 Montero vehicles that have a throttle heater kit installed. Resulting from the installation of the throttle heater kit the throttle body removal procedures shown on page 14-93 in the 1989 Montero Service Manual have been revised. Please add "For vehicles with heat adaptor refer to TSB-90-13-003" and write this Technical Service Bulletin number in the TSB revision box on the affected page. Refer to this bulletin when servicing the throttle body.

SERVICE MANUAL CORRECTION

1989 Montero, page 14-93



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FILE UNDER: Group 13 Fuel in the Dealer Service Information Binder (738)

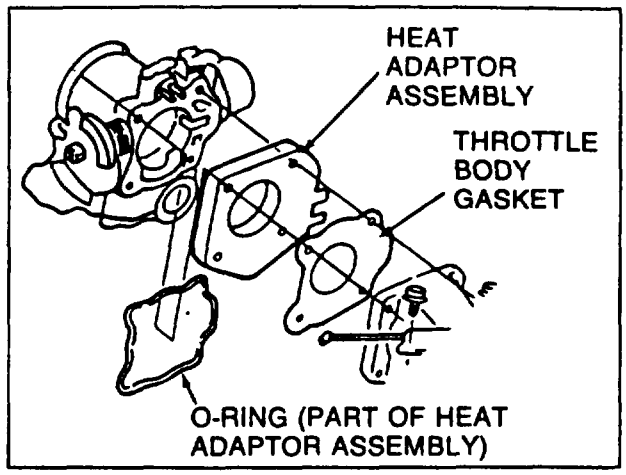
CIRCULATE TO:			
☐ GENERAL MANAGER	☐ PARTS MANAGER	☑ TECHNICIAN	☐ SERVICE ADVISOR
☑ SERVICE MANAGER	☐ WARRANTY PROCESSOR	☐ SALES MANAGER	

PARTS INFORMATION

Heat adaptor assembly: **MD153547**

NOTE: The adaptor plate contains an O-ring. If the O-ring is damaged you must replace the adaptor assembly.

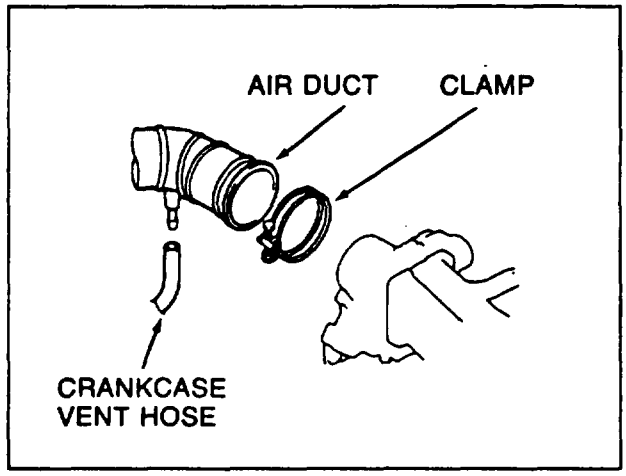
Throttle body gasket: **MD136444**



REMOVAL PROCEDURE

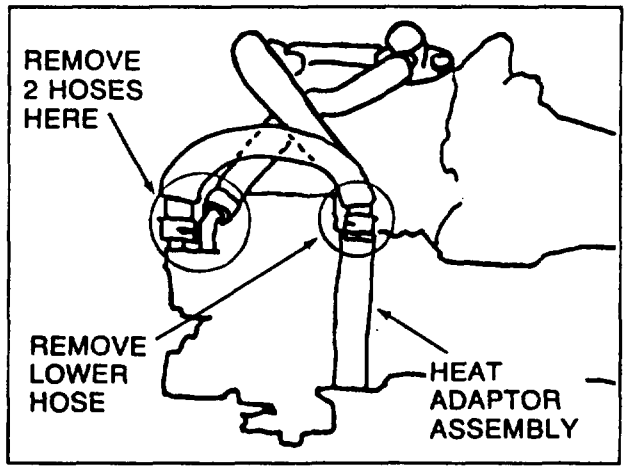
WARNING: These procedures should be performed on a cool engine.

Remove the air duct clamps and air duct.

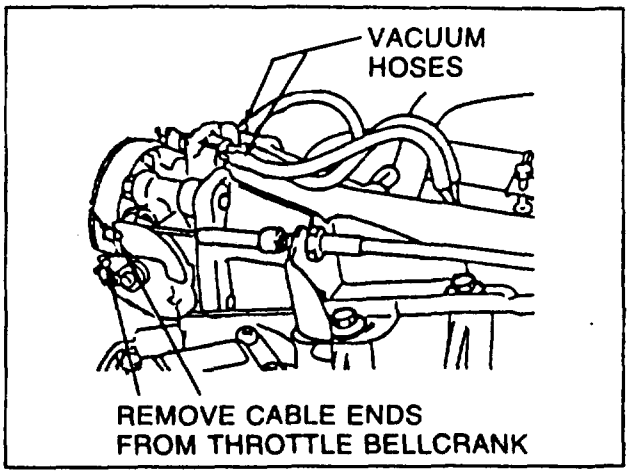


Drain the cooling system.

Remove two water hoses and the lower water hose from the throttle body heat adaptor assembly as shown.

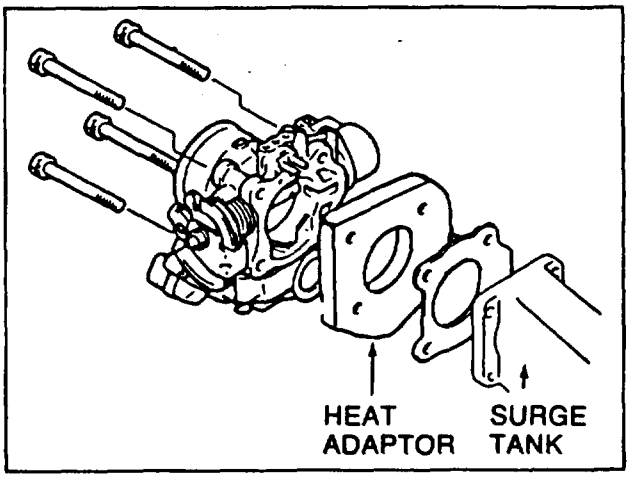


Disconnect the vacuum hose connections, TPS connector, and ISC motor connector. Remove from the throttle control bellcrank the throttle cable, automatic transmission kickdown cable (if equipped), and automatic cruise control cable (if equipped) from the throttle body.



Remove the 4 bolts securing the throttle body to the surge tank.

Remove the throttle body assembly and heat adaptor assembly from the surge tank.

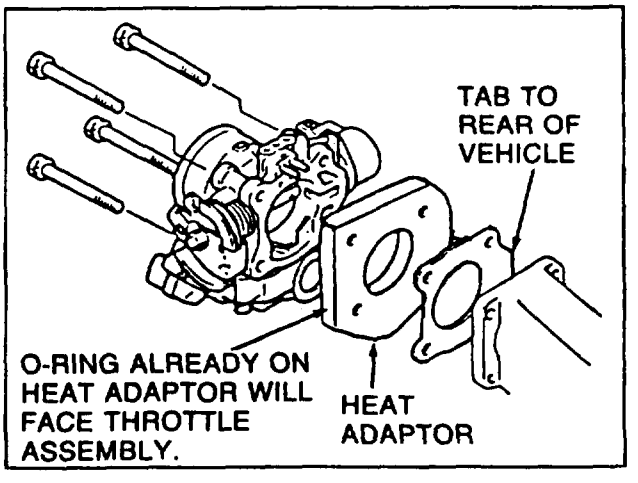


Carefully scrape the old throttle body gasket from the adaptor plate and surge tank.

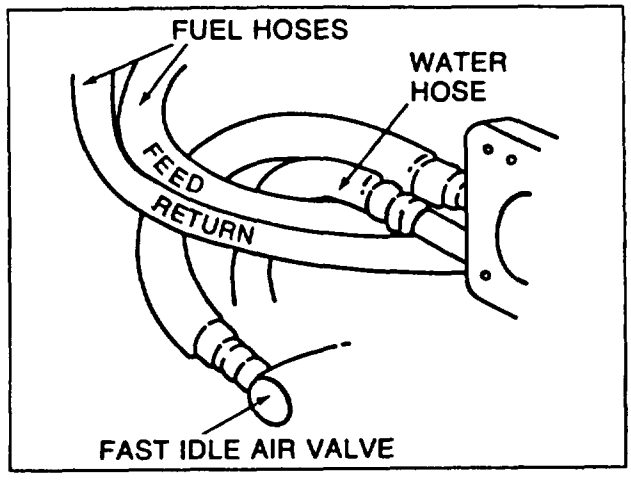
CAUTION: Do not damage the sealing surfaces.

Place the new throttle gasket on the surge tank with the tab facing the rear of the vehicle.

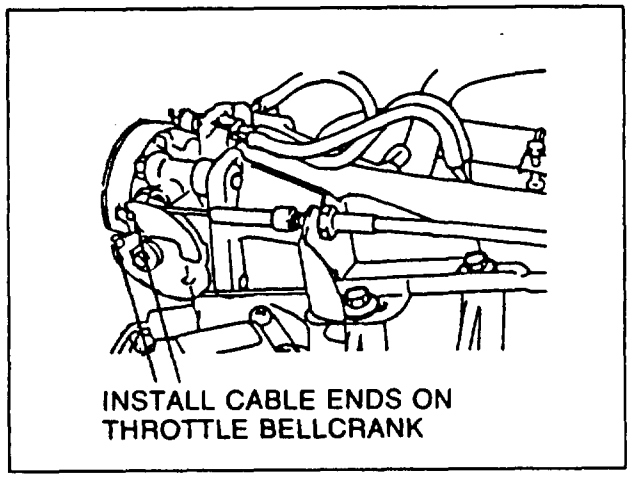
Reinstall the throttle body and 4 retainer bolts making certain that the adaptor plate O-ring is securely in place. Torque the bolts to 10.5 Nm (8 ft.lbs.).



Route the water hoses as shown and reconnect.



Reinstall vacuum hose connections, TPS connector, ISC motor connector, throttle cable, automatic transmission kickdown cable (if equipped), and automatic cruise control cable (if equipped).

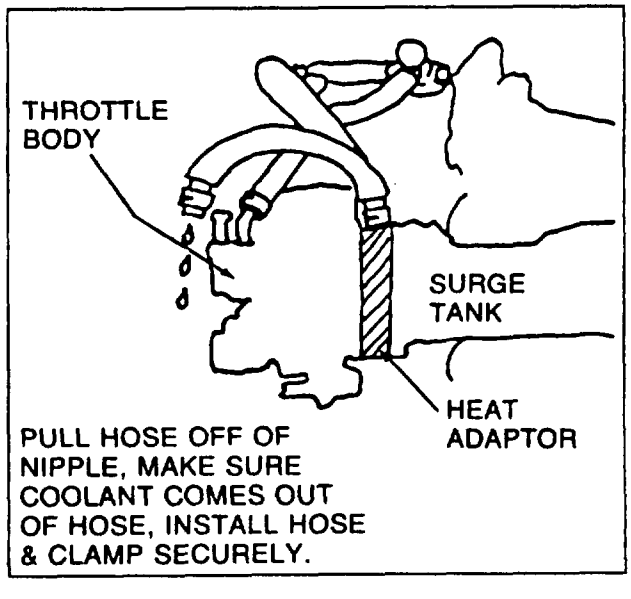


Reconnect air duct and clamp.

Fill the cooling system and install the radiator cap.

Run the engine for 2 minutes to circulate coolant, **then shut the engine off.**

Remove the radiator cap completely and air bleed the heater adaptor by pulling off the water hose from the thermo wax element. Water flow from the hose indicates that air bleeding is complete.


THROTTLE BODY
SURGE TANK
HEAT ADAPTOR
PULL HOSE OFF OF NIPPLE, MAKE SURE COOLANT COMES OUT OF HOSE, INSTALL HOSE & CLAMP SECURELY.

Reconnect and clamp water hose securely, making certain that the hose clamps are properly positioned.

CAUTION: Place the hose clamps as shown. If the hose clamps are not properly positioned they may chafe and damage the hoses.

Pressure test the cooling system and verify that no coolant leaks exist.